| Notice of Allowability  | Application No.  | Applicant(s)  BLANCH ET AL.   |                   |
|---|--|---|-------------------|
|   | 10/677,598   |   |                   |
|   | Examiner   | Art Unit  |                   |
|   | Nelson Moskowitz   | 3663  |                   |
| The MAILING DATE of this communication app<br>All claims being allowable, PROSECUTION ON THE MERITS IS<br>herewith (or previously mailed), a Notice of Allowance (PTOL-85<br>NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F<br>of the Office or upon petition by the applicant. See 37 CFR 1.31  | S (OR REMAINS) CLOSED in this  ) or other appropriate communica  RIGHTS. This application is subjected.  | application. If not included  | <b>S</b><br>ativ∈ |
| 1. This communication is responsive to <u>letter received 10/2/</u>   |  |   |                   |
| 2. The allowed claim(s) is/are 20-29 and 38-57.   |  |   |                   |
| 3. A The drawings filed on <u>02 October 2003</u> are accepted by the   | he Examiner.   |   |                   |
| 4. Acknowledgment is made of a claim for foreign priority uses a) All b) Some* c) None of the:  1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. A SUBSTITUTE OATH OR DECLARATION must be submained in the submained | re been received. re been received in Application No occuments have been received in the pocuments have been received in the r | nis national stage application from the oly complying with the requirements  ER'S AMENDMENT or NOTICE OF aration is deficient.  TO-948) attached  e Office action of  wings in the front (not the back) of 21(d). | ·                 |
| Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date from related appl.  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material   | 6. ☐ Interview Summa<br>Paper No./Mail [<br>08), 7. ☐ Examiner's Amer  | Date Idment/Comment ment of Reasons/for Allowancs/  | >                 |
|   |  |   |                   |

Continuation of Attachment(s) 9. Other: :The herein pending claims are exactly the same as those previously in parent application 10/025,157. The claims are allowed even though the prior art (Mandal '961) discloses utilizing both fast and slow shear waves in anisotropic media, receiving the composite waveforms, and decomposing these waveforms. The prior art, however, fails to anticipate or obviate the claimed estimating source waveforms from the decomposed waveforms, and comparing the waveforms to determine anisotropic characteristics of the formation.

The Mandal patent ('961) disclosure is the closest prior art to applicants' invention.

The references cited by Applicants (5 pages of PTO-1449s) in related applications 10/025,157, 10/027,749, and 10/025528 have again been considered and found to fairly represent the status of this art. The references cited by the Examiner (3 pages of PTO-892s) are cited to show shear wave polarization analysis for anisotropic media, to be old and well known in this art.

It is noted that new figure 5 and its description in the specification are not new matter.

Both preliminary amendments have been entered.

NELSON MOSKOWITZ PRIMARY EXAMINER